

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 1 of 1	ATTORNEY DOCKET No.	SERIAL No.
	5077-000027	09/824,505
	APPLICANT	
	Makoto Horiuchi et al.	
	FILING DATE	GROUP
	April 2, 2001	2817

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	Bgc	5,200,669	04/06/1993	Dixon et al.		
2.		4,254,356	03/03/1981	Karikas		
3.		5,936,349	08/10/1999	Fukai et al.		
4.		5,453,654	09/26/1995	Bastian et al.		

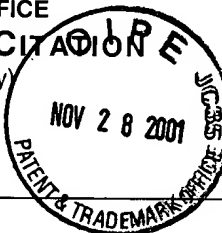
FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
1.	KAL	EP 0 903 771 A2	03/24/1999	Europe		
2.	BAL	10112262	04/28/1998	Japan		X Abstract

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
1.		

Examiner: BKL107	Date Considered: 12/1/02
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U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	FAL	5,527,199	06/18/1996	Feder et al.		
2.	FAL	4,110,657	08/29/1978	Sobieski		

FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
1.	FAL	0 550 878 A1	07/14/1993	Europe		

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
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Examiner: FAL	Date Considered: 12/6/02
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U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	DL	5,896,004	04/20/1999	Feldman et al.		
2.		2,667,595	01/26/1954	E.B. Noel et al.		
3.		4,254,356	03/03/1981	Karikas		
4.		4,700,107	10/13/1987	Fischer		

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.	DL	2000-173543	06/23/2000	Japan		*1	
2.		2000173453 A	06/23/2000	Japan		*2	
3.		07192704 A	07/28/1995	Japan		*3	
4.		6-163000	06/10/1994	Japan		X partial	
5.		0 579 313 A1	01/19/1994	Europe		*4	
6.		06016300 A	01/25/1994	Japan		*5	
7.		05217555 A	08/27/1993	Japan		X Abstract	
8.		56-165358	05/12/1955	Japan		X partial	
9.		55-143767	11/10/1980	Japan		*6	
10.		03184254 A	08/12/1991	Japan		X Abstract	
11.		05234571 A	09/10/1993	Japan		X Abstract	
12.		61-138446	06/25/1986	Japan		*7	
13.		58-110961	07/28/1983	Japan		X partial	

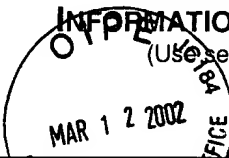
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DL

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Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
14.	HAL	11067093 A	03/09/1999	Japan	<u> </u>	X Abstract

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
1.		

- *1 Reference for Japanese Pat. App. No. 2000-173543 has been previously submitted to the USPTO.
- *2 Japanese Pat. App. No. 2000-173453 appears to be a mistyping of Japanese Pat. App. No. 2000-173543.
- *3 U.S. Patent App. No. 5,896,004 corresponds to Japanese Pat. App. No. 7-192704.
- *4 European Patent Publication No. 0 579 313 A1 corresponds to Japanese Pat. App. No. 6-163000.
- *5 Japanese Pat App. No. 6-16300 appears to be a mistyping of Japanese Pat. App. No. 6-163000.
- *6 U.S. Pat. App. No. 4,254,356 corresponds to Japanese Pat. App. No. 55-143767.
- *7 U.S. Pat. App. No. 4,700,107 corresponds to Japanese Pat. App. No. 61-138446.

Examiner: <u>HAL</u>	Date Considered: <u>12/6/02</u>
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09/824505
04/02/01

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	FILING DATE	GROUP
	Herewith	Not Yet Assigned

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FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No
1.	DAL	JP 10255720 A	09/25/1998	Japan	—	Partial
2.	EGC	EP 0 866 488 A1	09/23/1998	Europe	—	X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
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Examiner: <u>DAL</u>	Date Considered: <u>12/6/02</u>
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